

Notice of Allowability

Application No.

09/529,379

Examiner

Christian La Forgia

Applicant(s)

VAN DER HEIJDEN ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 21 October 2004.
2. ☒ The allowed claim(s) is/are 38-43, 45, 46 and 48-59.
3. ☒ The drawings filed on 29 March 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

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EXAMINER
PAPER NO. 2136
A/11 2136

DETAILED ACTION

1. The After Final amendment filed on 21 October 2004 is noted and made of record.
2. Claims 1-61 have been presented for examination.
3. Claims 1-37, 44, 47, 60, and 61 have been cancelled as per Applicant's request.

Allowable Subject Matter

4. Claims 38-43, 45, 46, and 48-59 are allowed.
5. The following is an examiner's statement of reasons for allowance:

As per claims 38-49, 52, 53, 58, and 59, it is well known in the art for a communication apparatus to comprise of messages, processing means, and a database, wherein the processing means and the database arranged for point-to-point communication with another communication apparatus by means of the messages, wherein the messages have flexible message formats and comprise, a header comprising message definition references, a sender identifier, and a destination address, and a message content that includes a number of fields and a content of any field, a number of objects and a content of any object, the objects being referred to by one or more of the fields, a number of fields mappings and a content of any field mapping, any field mapping being usable by predetermined fields, a number of actions and a content of any actions, any action being usable by the predetermined fields, wherein, the database stores a predetermined message definition table, a field definition table, mapping instructions, and message action lists, and the processing means is arranged to interpret and process the messages while consulting said predetermined message definition table, mapping instructions and message action lists stored in said database using said message definition references as references to said predetermined message definitions, the predetermined message definition table comprises a

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message system identifier for use as a reference as a reference to further tables in said database, the further tables comprise a field action table comprising said message action lists usable by predetermined fields.

There are no teachings in the prior art of tables that comprise a message pre-processing table comprising a list of actions to be executed as pre-processing for a message either received or to be send and a message post processing comprising a list of actions to be executed as post-processing for a message received. Since no teachings or motivation can be found of tables that comprise a message pre-processing table comprising a list of actions to be executed as pre-processing for a message either received or to be send and a message post processing comprising a list of actions to be executed as post-processing for a message received, claims 38-49, 52, 53 and 58 are therefore novel and non-obvious.

As per claims 50, 51, 56, and 57, it is well known in the art for a communication apparatus to comprise of messages, processing means, and a database, wherein the processing means and the database arranged for point-to-point communication with another communication apparatus by means of the messages, wherein the messages have flexible message formats and comprise, a header comprising message definition references, a sender identifier, and a destination address, and a message content that includes a number of fields and a content of any field, a number of objects and a content of any object, the objects being referred to by one or more of the fields, a number of fields mappings and a content of any field mapping, any field mapping being usable by predetermined fields, a number of actions and a content of any actions, any action being usable by the predetermined fields, wherein, the database stores a predetermined message definition table, a field definition table, mapping instructions, and

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message action lists, and the processing means is arranged to interpret and process the messages while consulting said predetermined message definition table, mapping instructions and message action lists stored in said database using said message definition references as references to said predetermined message definitions, the predetermined message definition table comprises a message system identifier for use as a reference as a reference to further tables in said database, the further tables comprise a field action table comprising said message action lists usable by predetermined fields.

There are no teachings in the prior art of the message definition table comprising an application field for indicating whether a message received is a first message of an application and an application name field for referring to a name of said application, in order to define the application as a collection of data messages and their associated actions. Since no teachings or motivation can be found of the message definition table comprising an application field for indicating whether a message received is a first message of an application and an application name field for referring to a name of said application, in order to define the application as a collection of data messages and their associated actions, claims 50, 51, 56, and 57 are therefore novel and non-obvious.

As per claims 54 and 55, it is well known in the art for a communication apparatus to comprise of messages, processing means, and a database, wherein the processing means and the database arranged for point-to-point communication with another communication apparatus by means of the messages, wherein the messages have flexible message formats and comprise, a header comprising message definition references, a sender identifier, and a destination address, and a message content that includes a number of fields and a content of any field, a number of

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objects and a content of any object, the objects being referred to by one or more of the fields, a number of fields mappings and a content of any field mapping, any field mapping being usable by predetermined fields, a number of actions and a content of any actions, any action being usable by the predetermined fields, wherein, the database stores a predetermined message definition table, a field definition table, mapping instructions, and message action lists, and the processing means is arranged to interpret and process the messages while consulting said predetermined message definition table, mapping instructions and message action lists stored in said database using said message definition references as references to said predetermined message definitions, the predetermined message definition table comprises a message system identifier for use as a reference as a reference to further tables in said database, the further tables comprise a field action table comprising said message action lists usable by predetermined fields.

There are no teachings in the prior art of processing means arranged to either merge a message received with a designated HTML file or if the designated HTML file is not found by the processing means, to create a default dynamic HTML file. Since no teachings or motivation can be found of processing means arranged to either merge a message received with a designated HTML file or if the designated HTML file is not found by the processing means, to create a default dynamic HTML file, claims 54 and 55 are therefore novel and non-obvious.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christian La Forgia whose telephone number is (571) 272-3792.

The examiner can normally be reached on Monday thru Thursday 7-5.

8. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

9. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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